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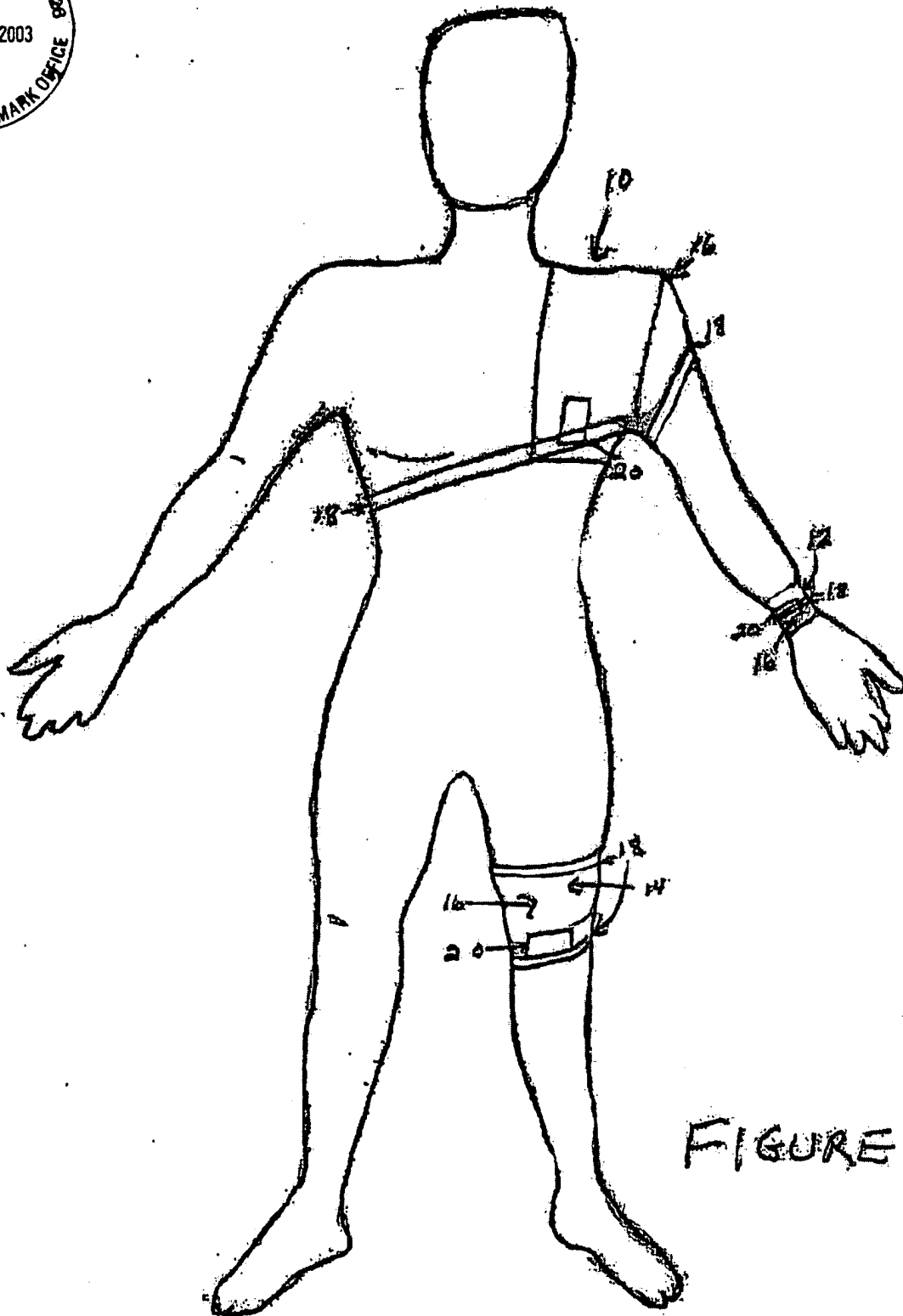


FIGURE 1

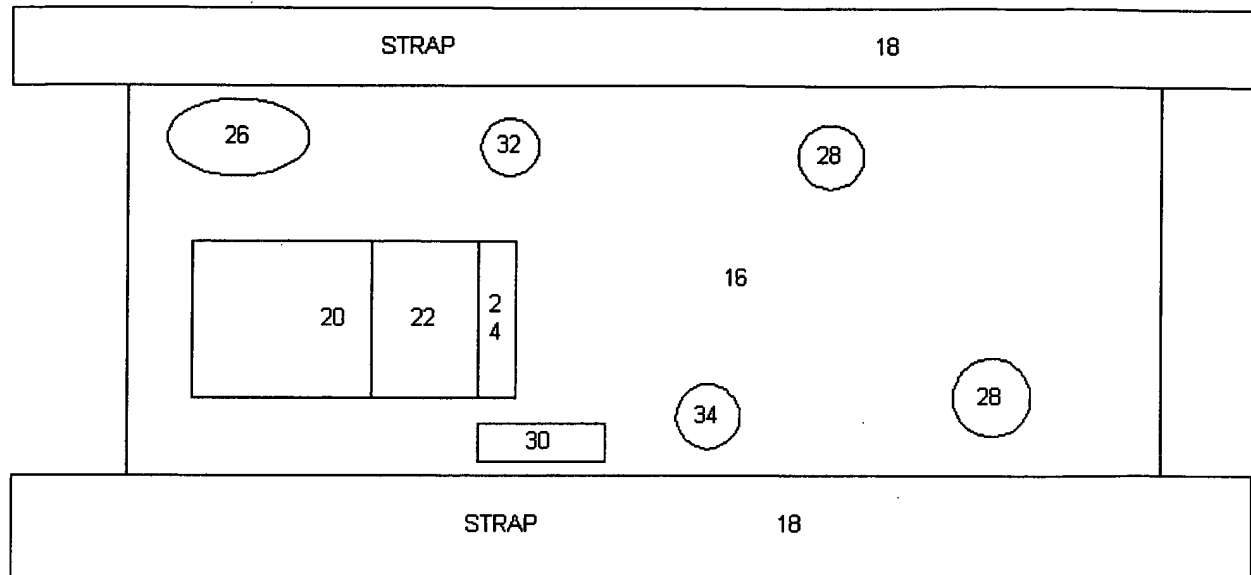


FIGURE 2 *FIG. 2*

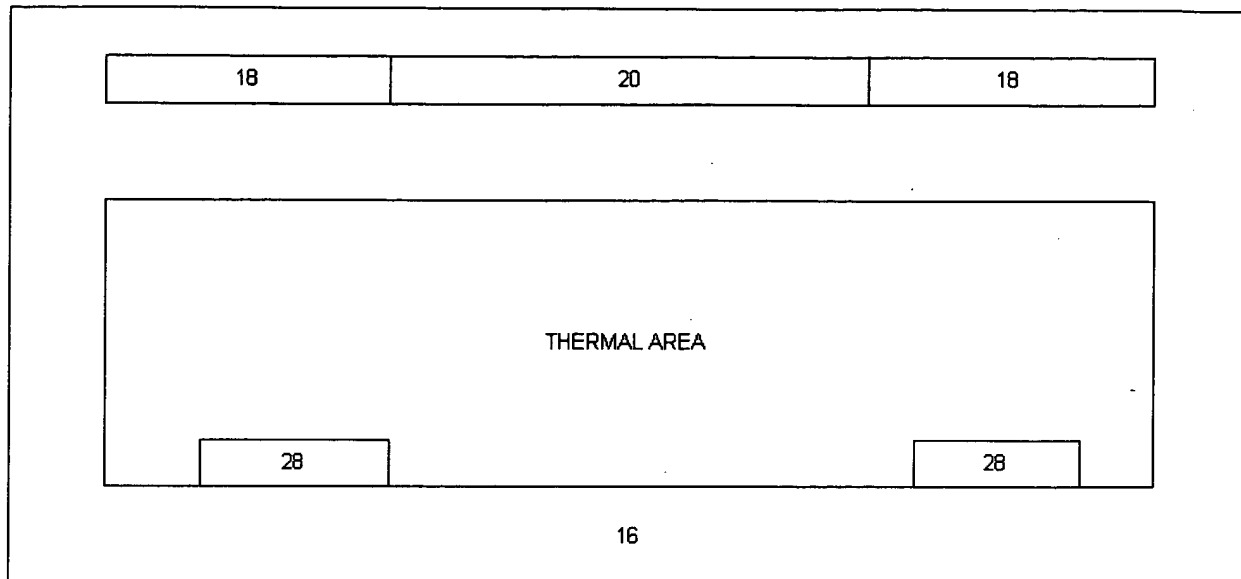
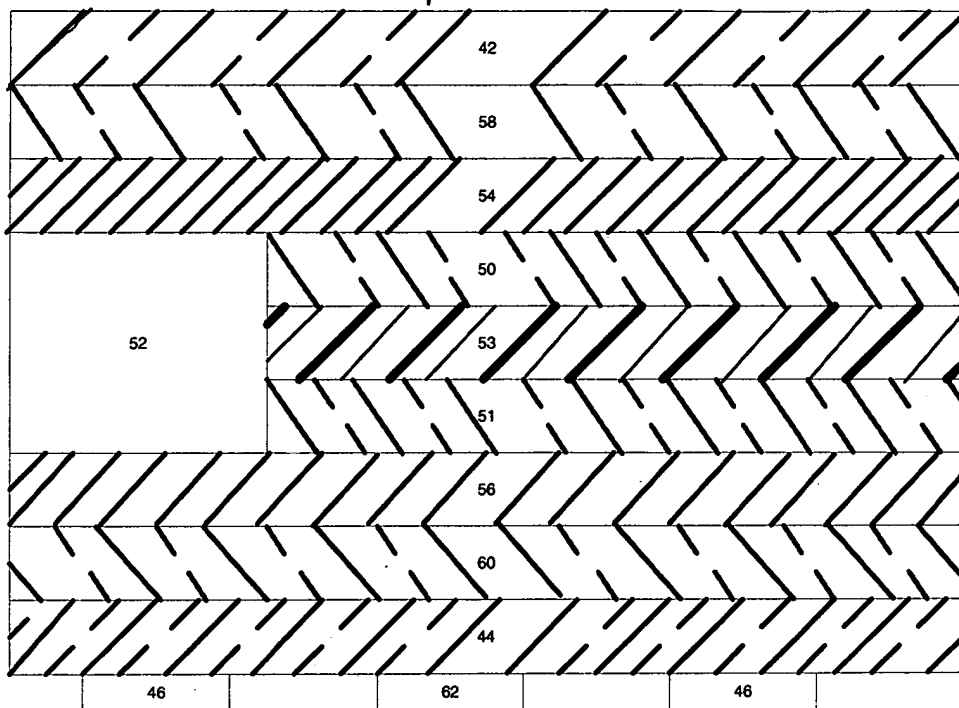


FIGURE 3 *FIG. 3*



All cross-hatching shown to be added here and in Figs 4B-4E



~~FIGURE 4A~~

Fig. 4A

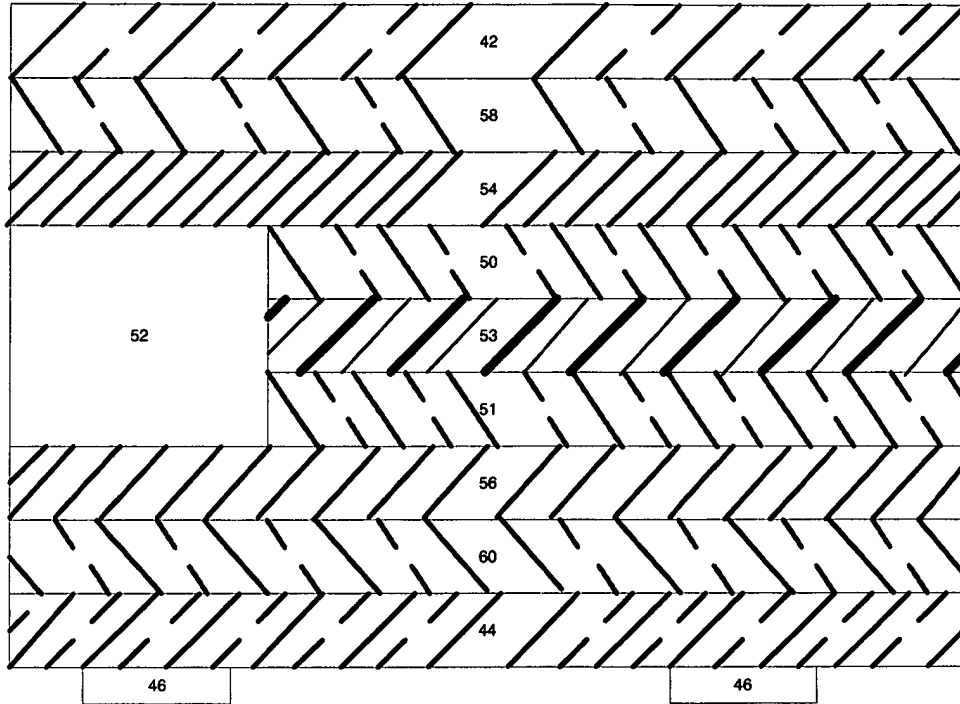


FIGURE 4B F.G. 4B

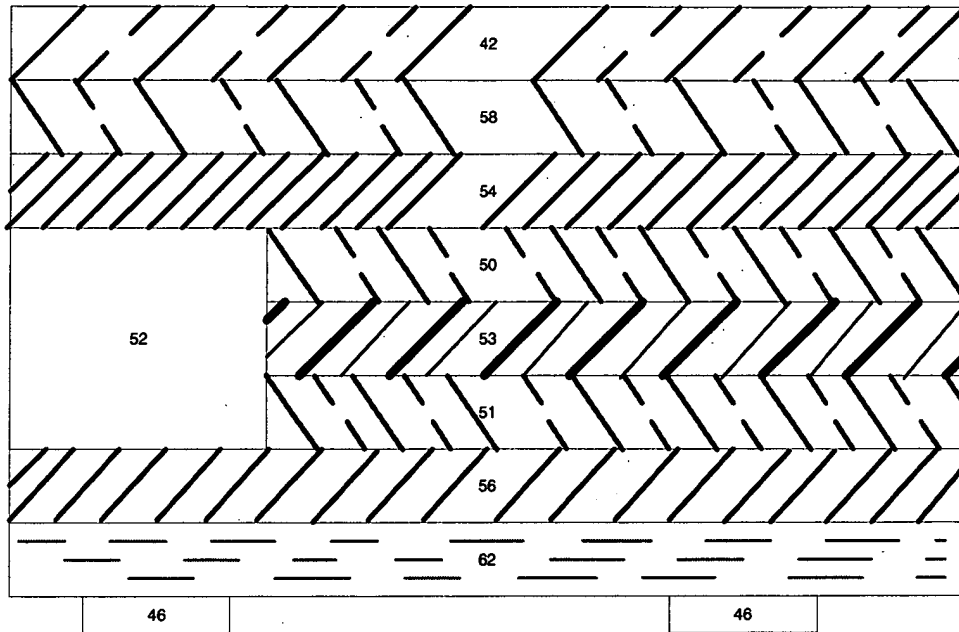


FIGURE 4C *FIG. 4C*

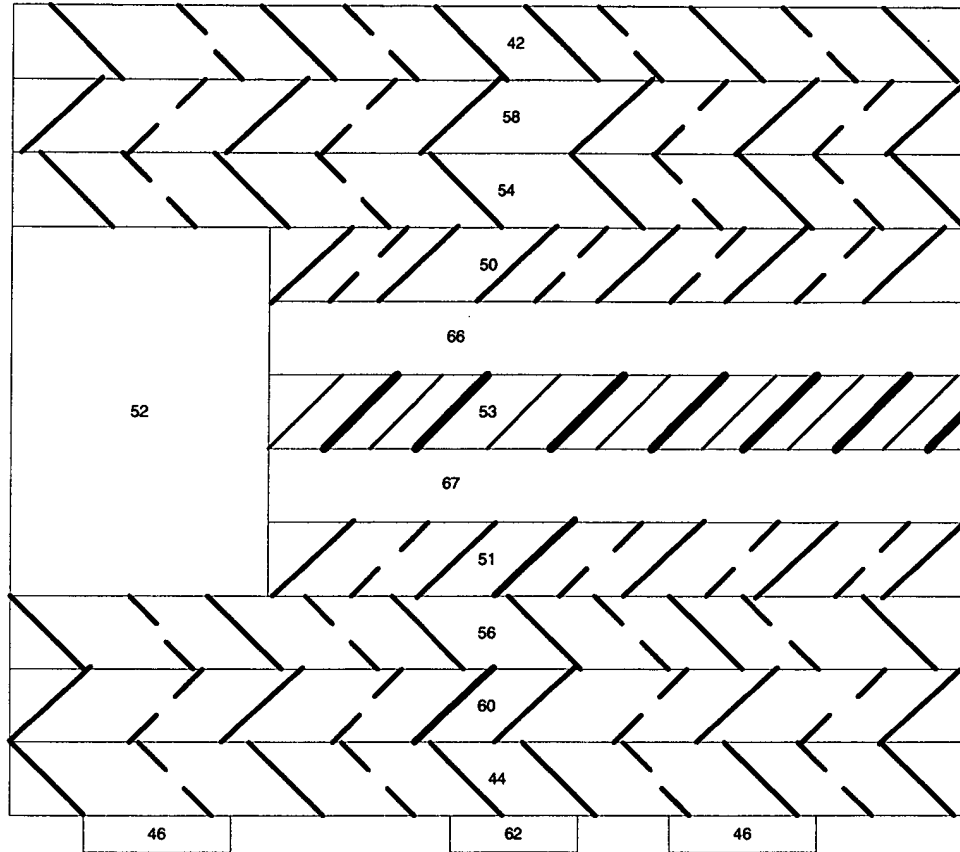


FIGURE 4D F.G. 4D

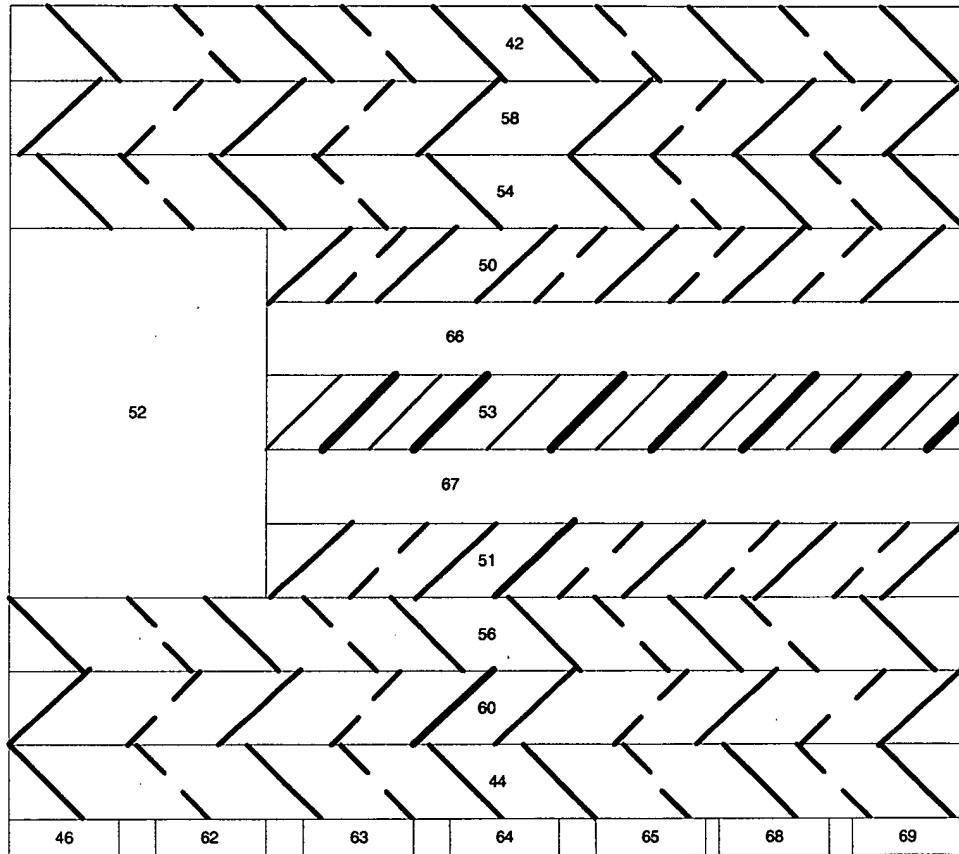


FIGURE 4E *FIG. 4E*

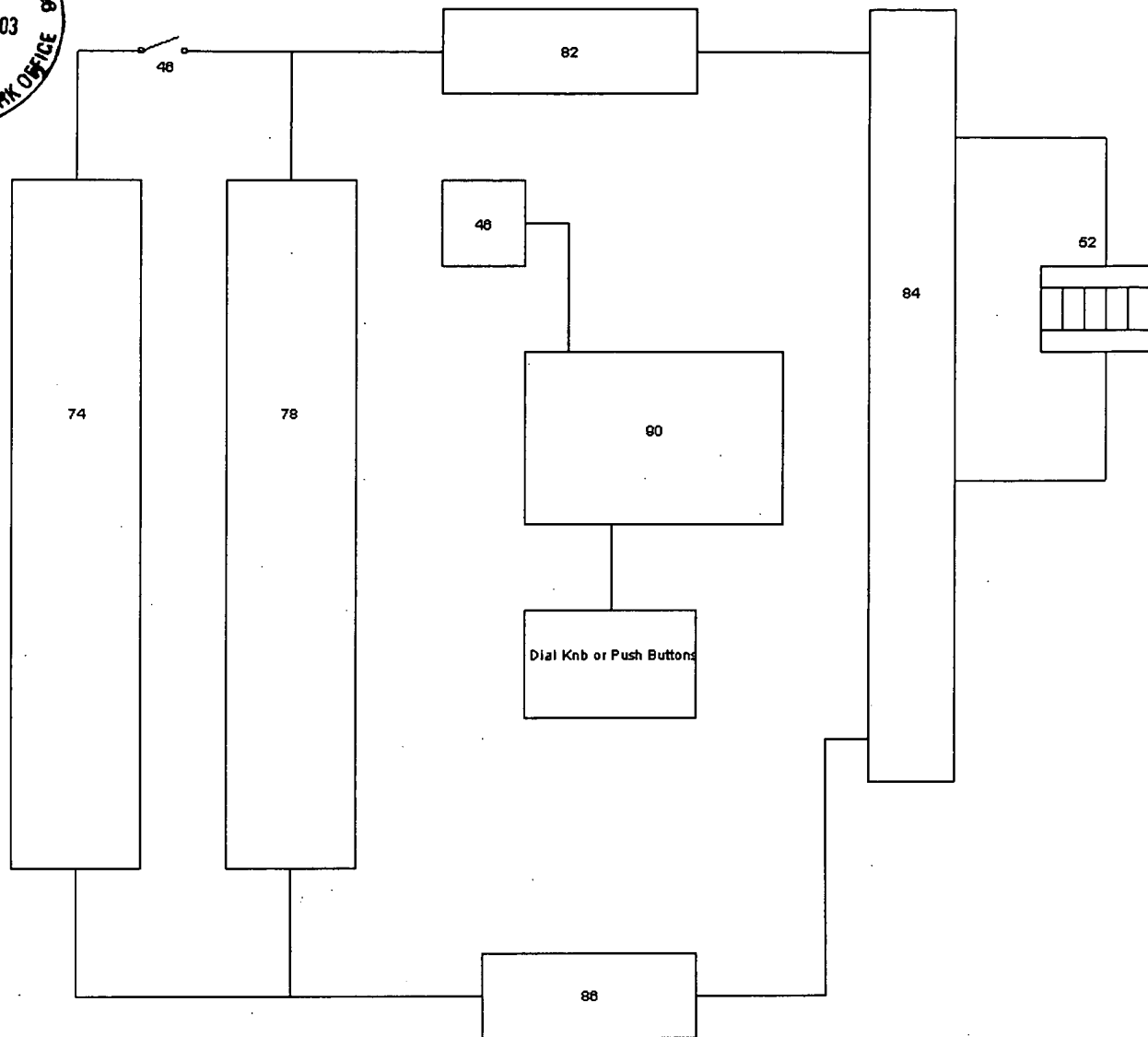


FIGURE 5 *FIG. 5*

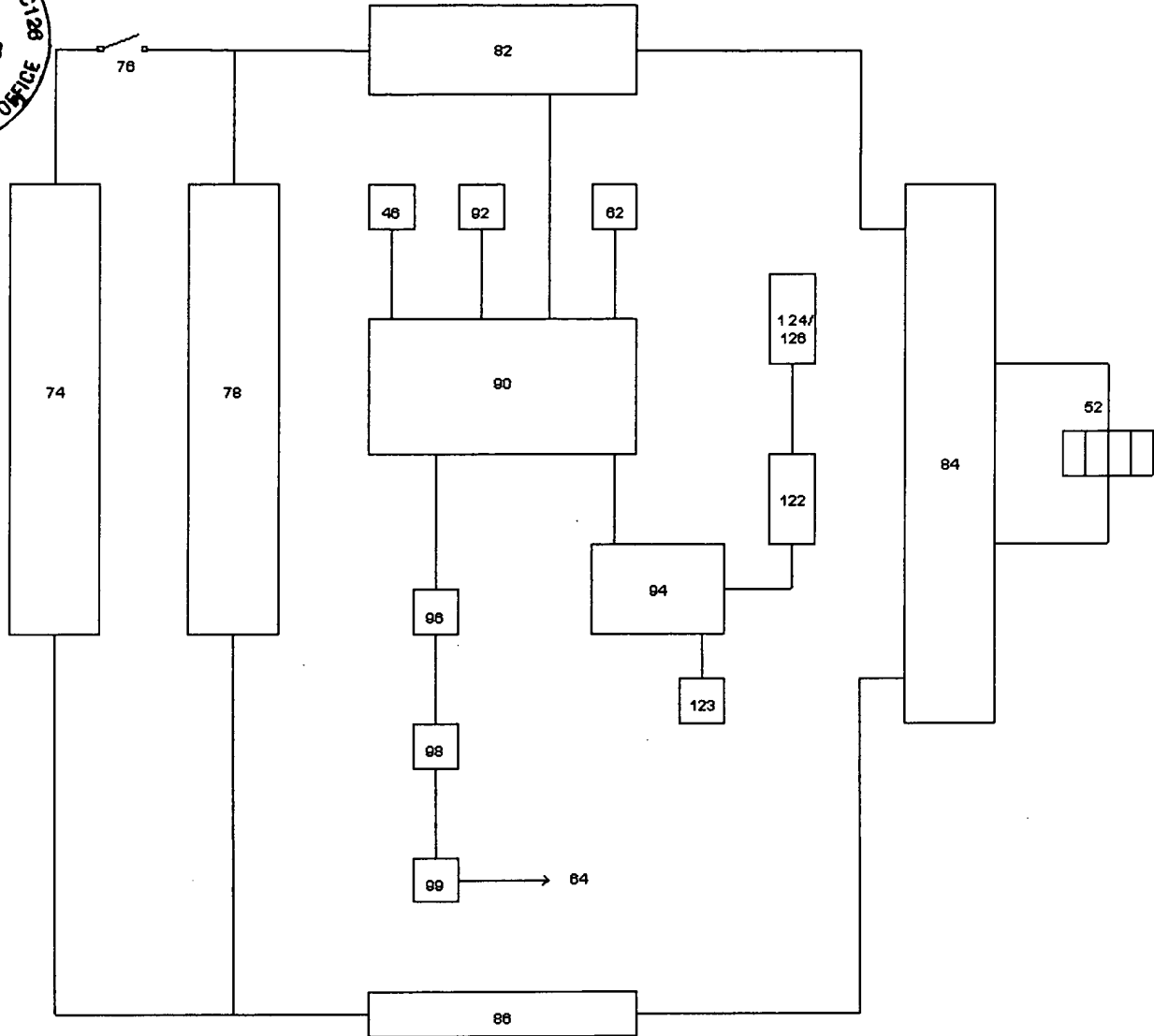


FIGURE 6- *Fig. 6*

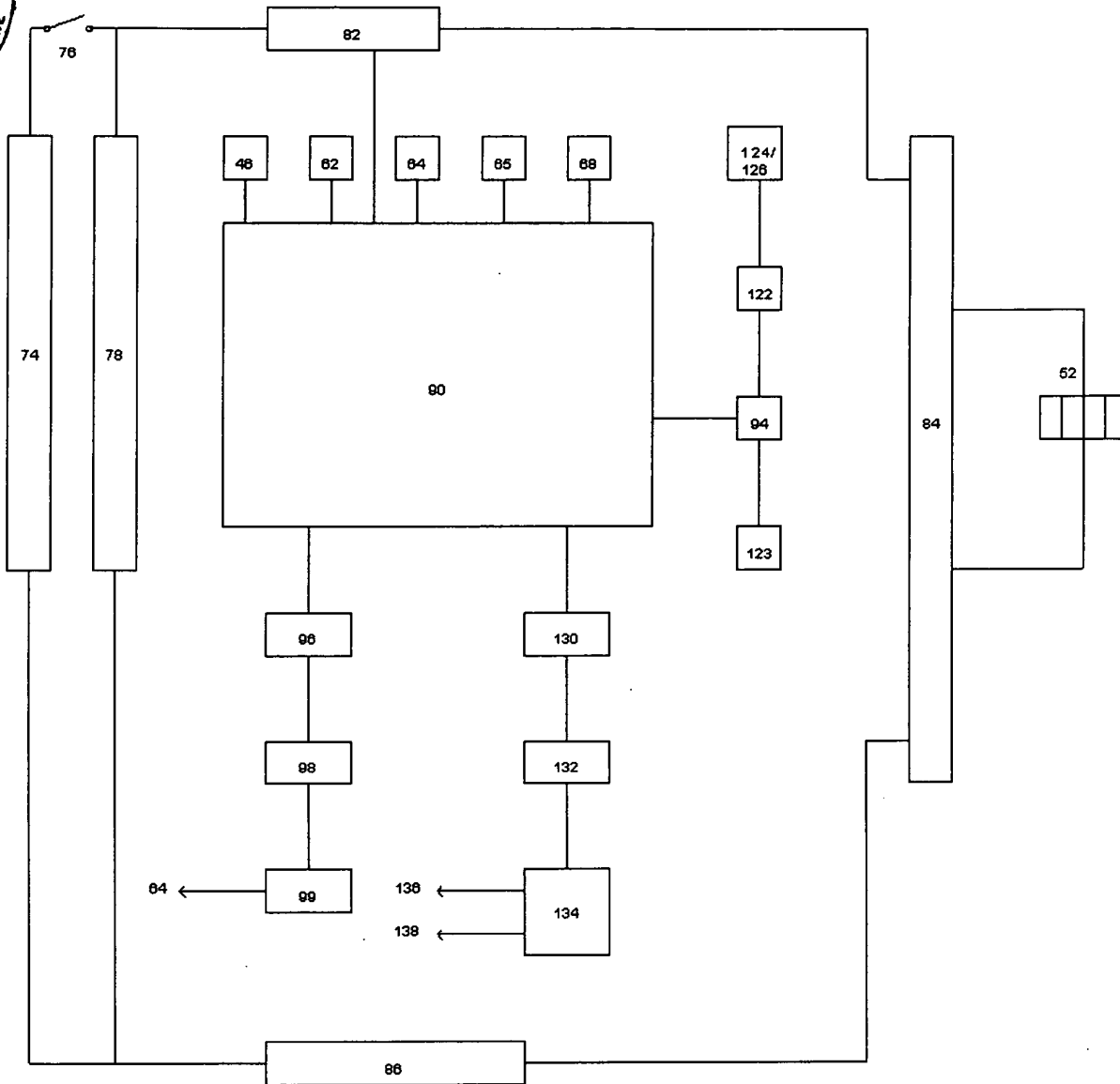
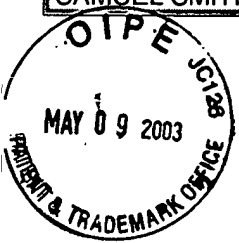


FIGURE 7 FIG. 7

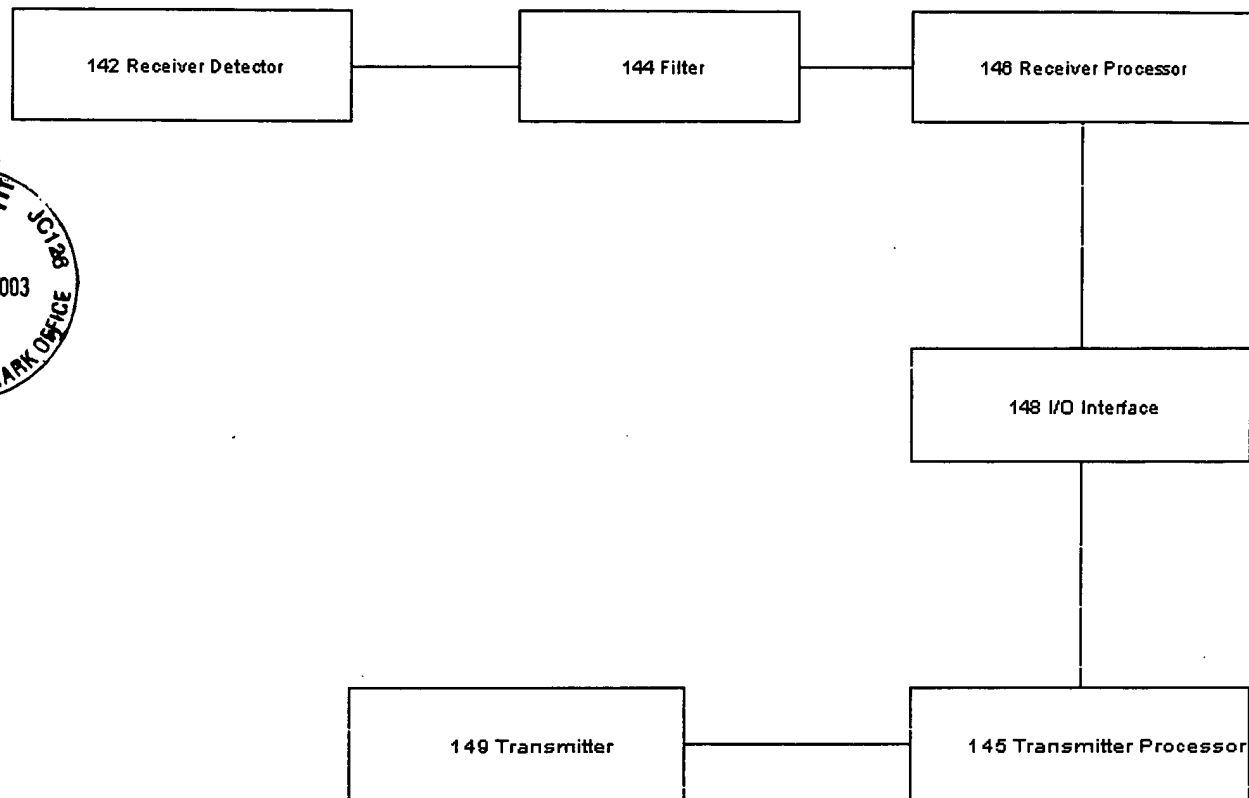
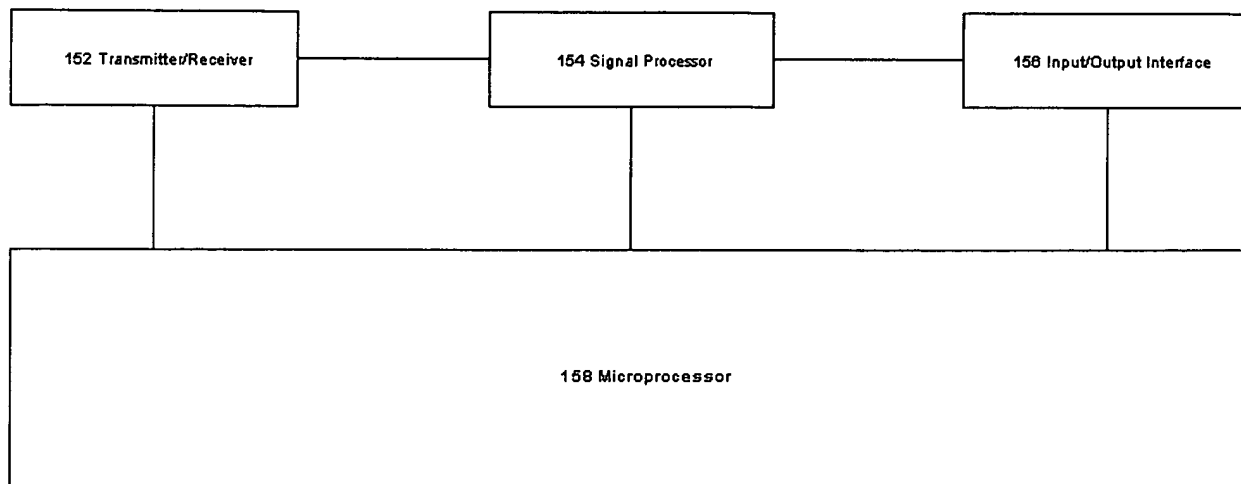
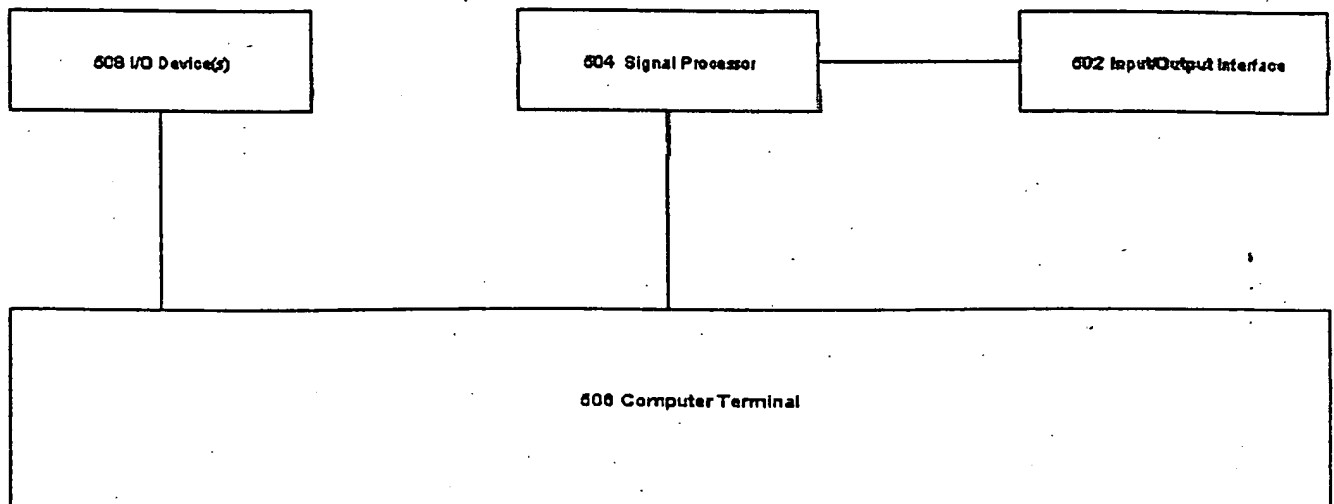


FIGURE 8 *Fig. 8*



~~FIGURE 9~~

Fig. 9



-FIGURE 10-

FIG. 10

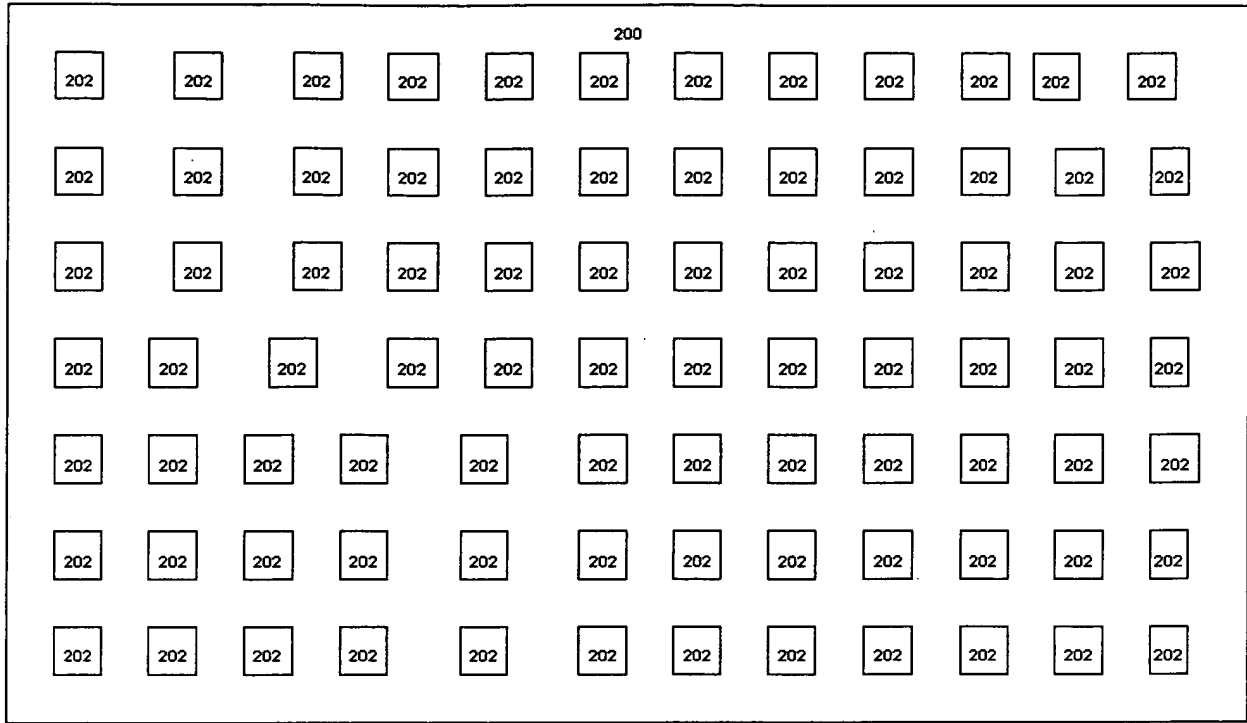
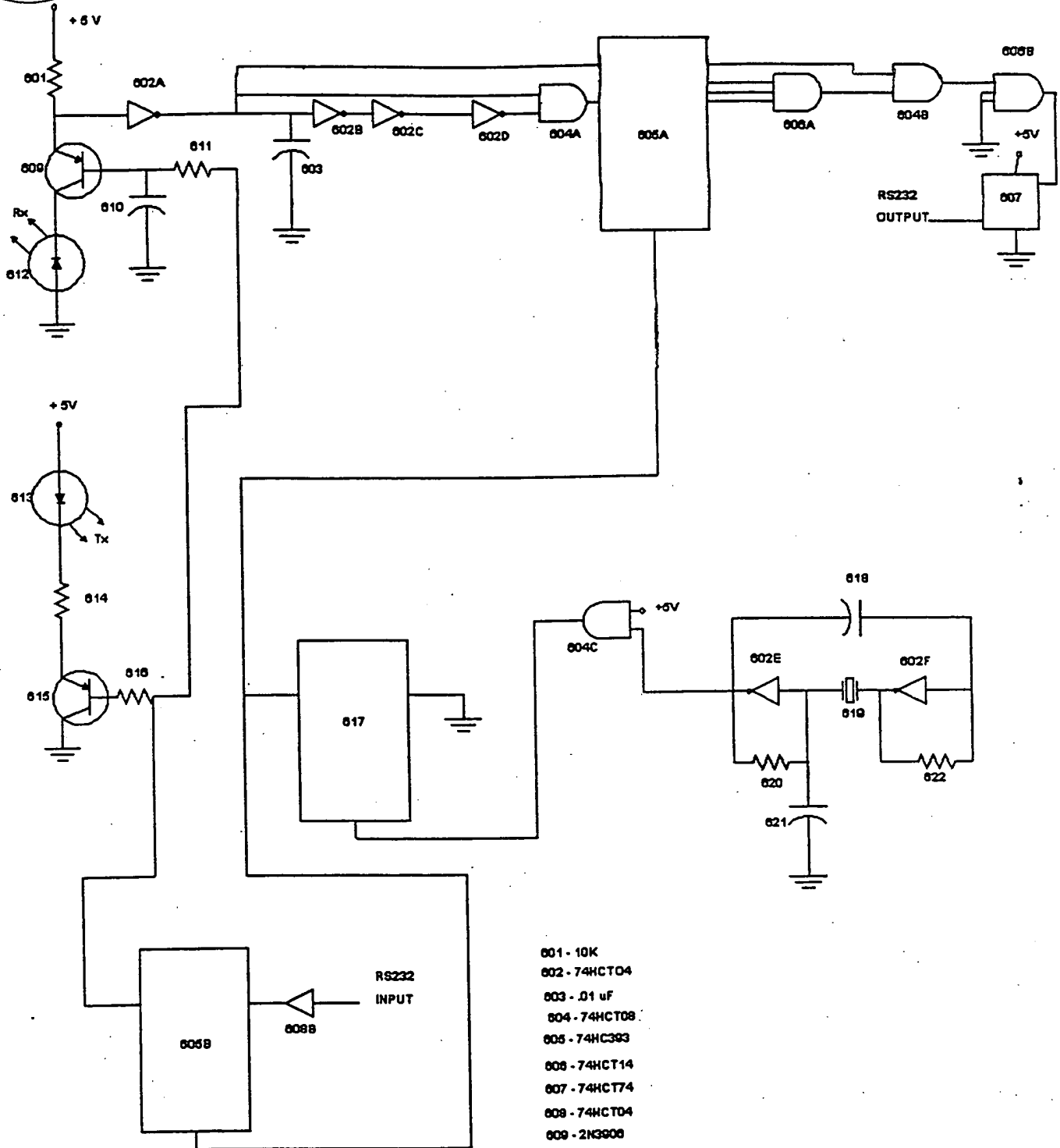


FIGURE 11 *Fig. 11*





- 601 - 10K
- 602 - 74HCT04
- 603 - .01 uF
- 604 - 74HCT08
- 605 - 74HC393
- 606 - 74HCT14
- 607 - 74HCT74
- 608 - 74HCT04
- 609 - 2N3900
- 610 - .1 uF
- 611 - 1 K
- 612 - IRD300
- 613 - SLI-0308CP
- 614 - 47 K
- 615 - 2N3904
- 616 - 1 K
- 617 - 74HC393
- 618 - .0022 uF
- 619 - 2.457 MHz XTAL
- 620 - 1 K
- 621 - 220 pF
- 622 - 1 K

FIG. 12

FIGURE 12

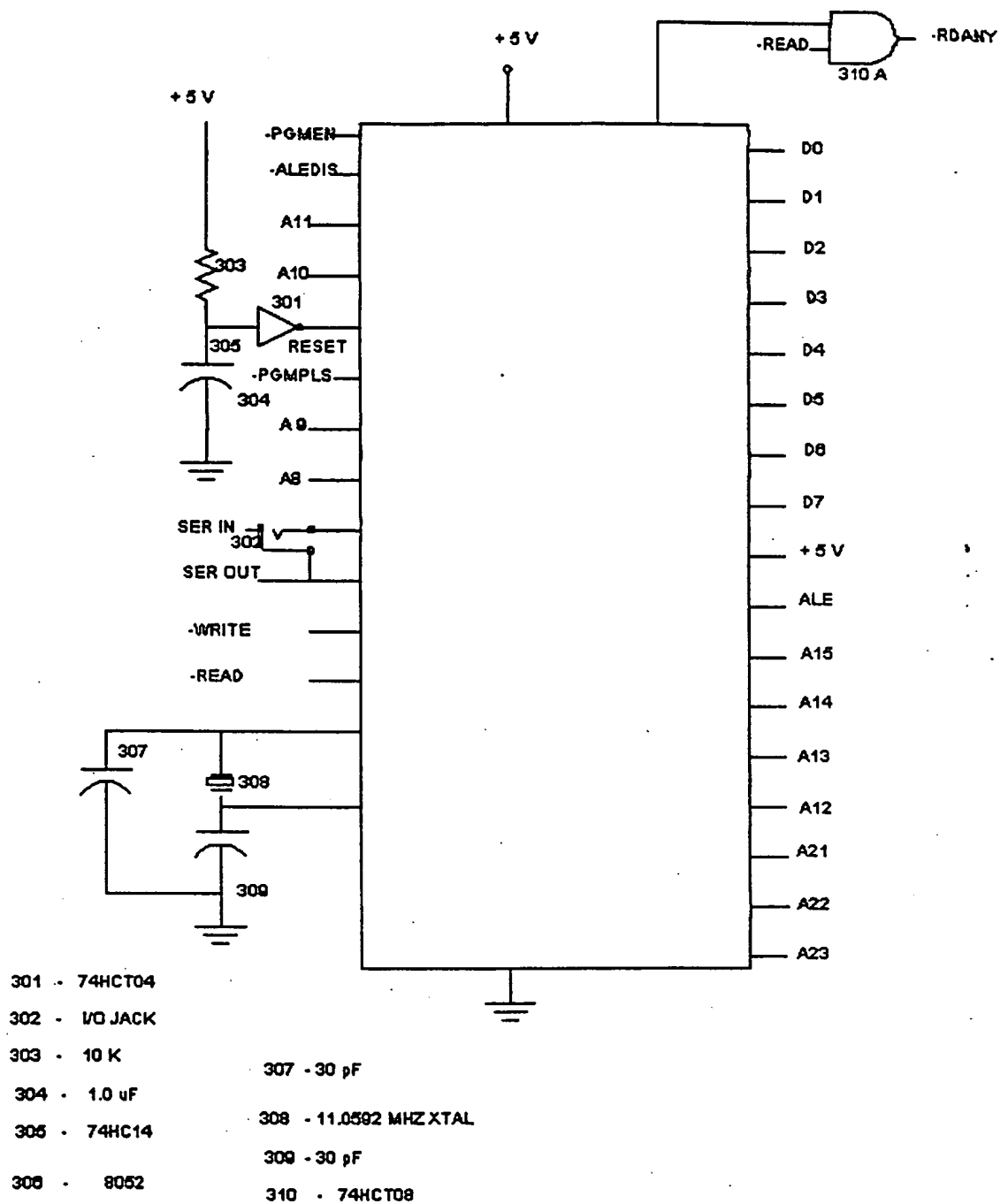
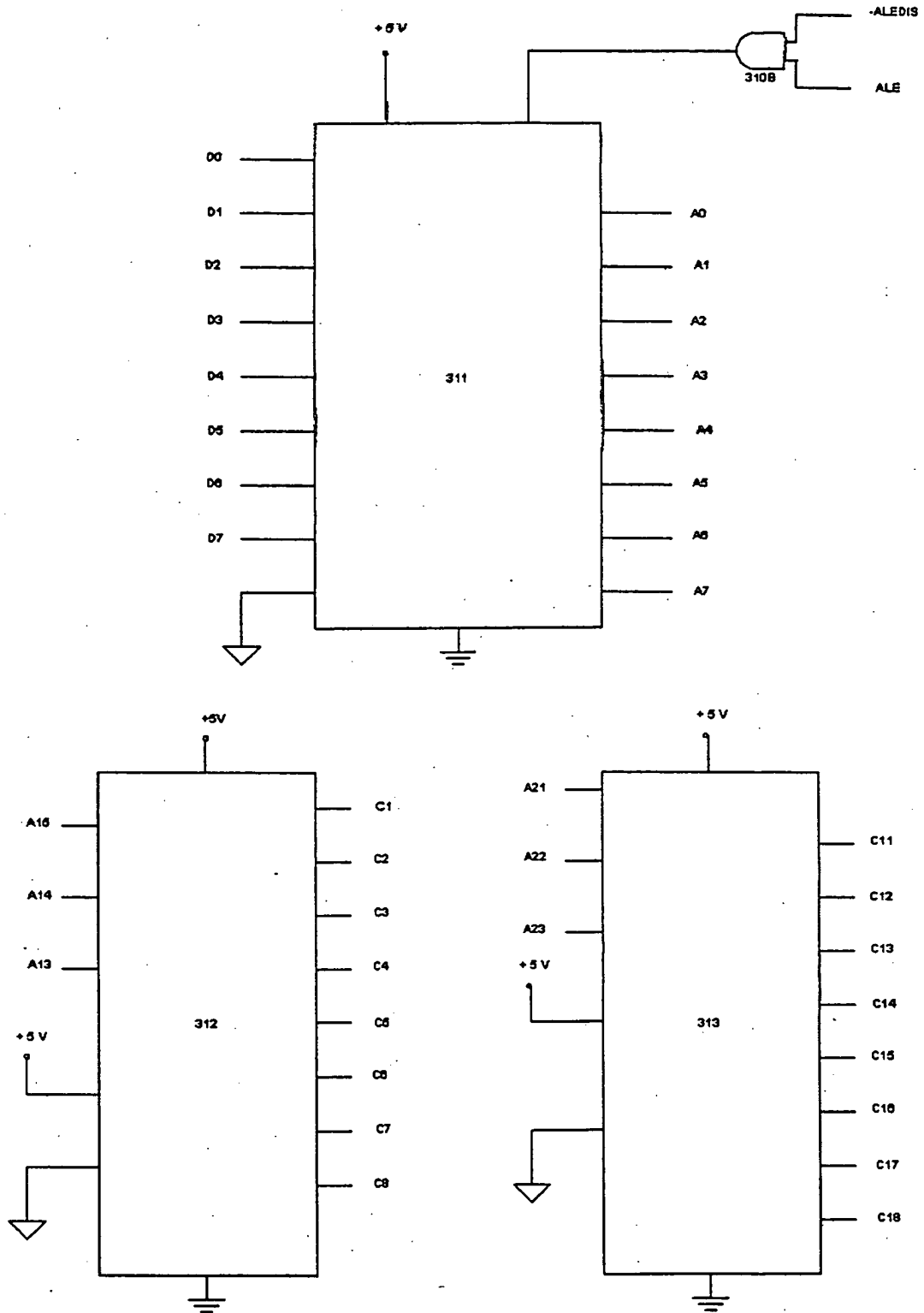


FIGURE 13

FIG. 13



311 - 74HCT373

312 - 74HCT138

313 - 74HCT138

FIGURE 14

FIG 14

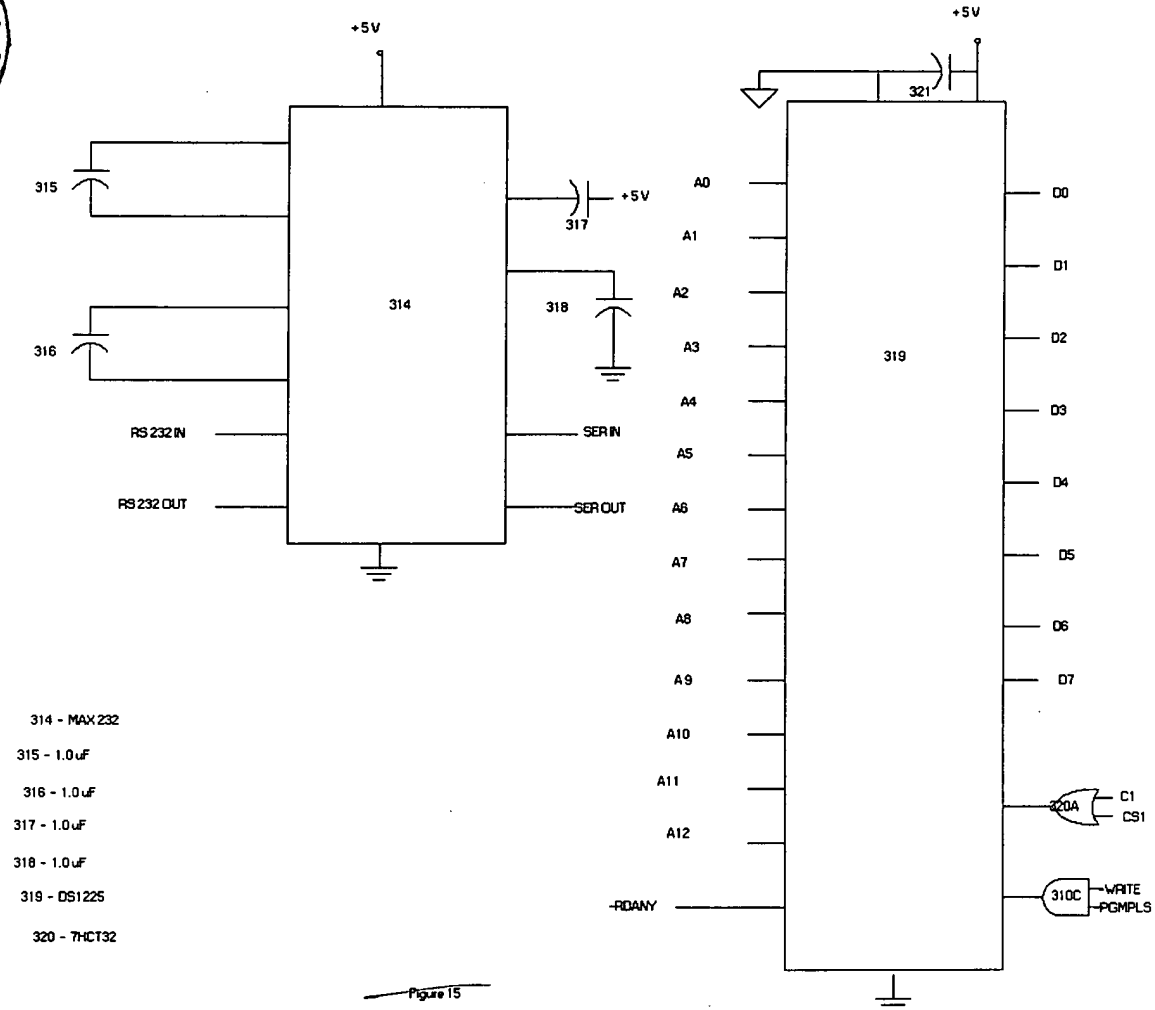
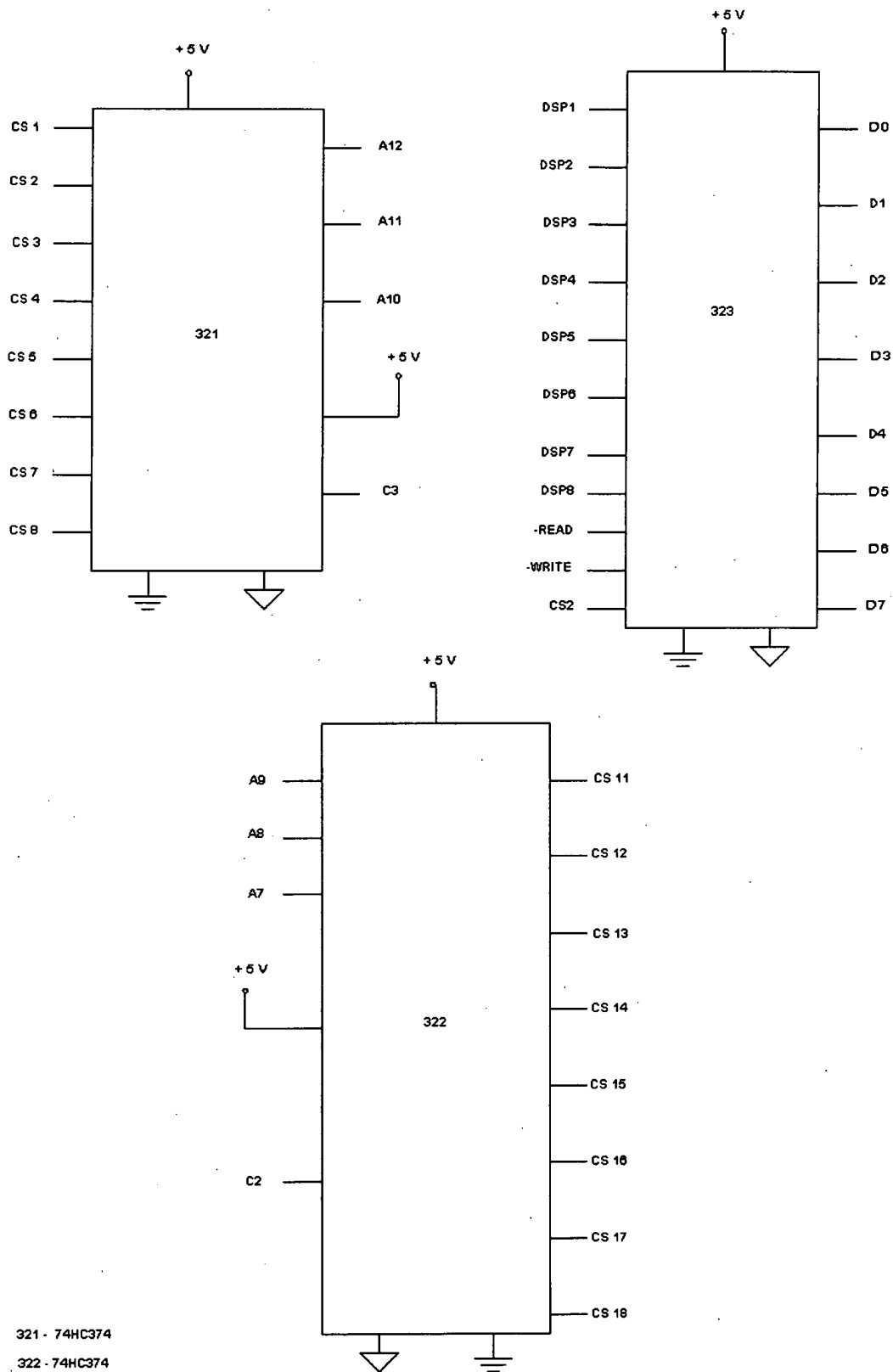


Fig 15

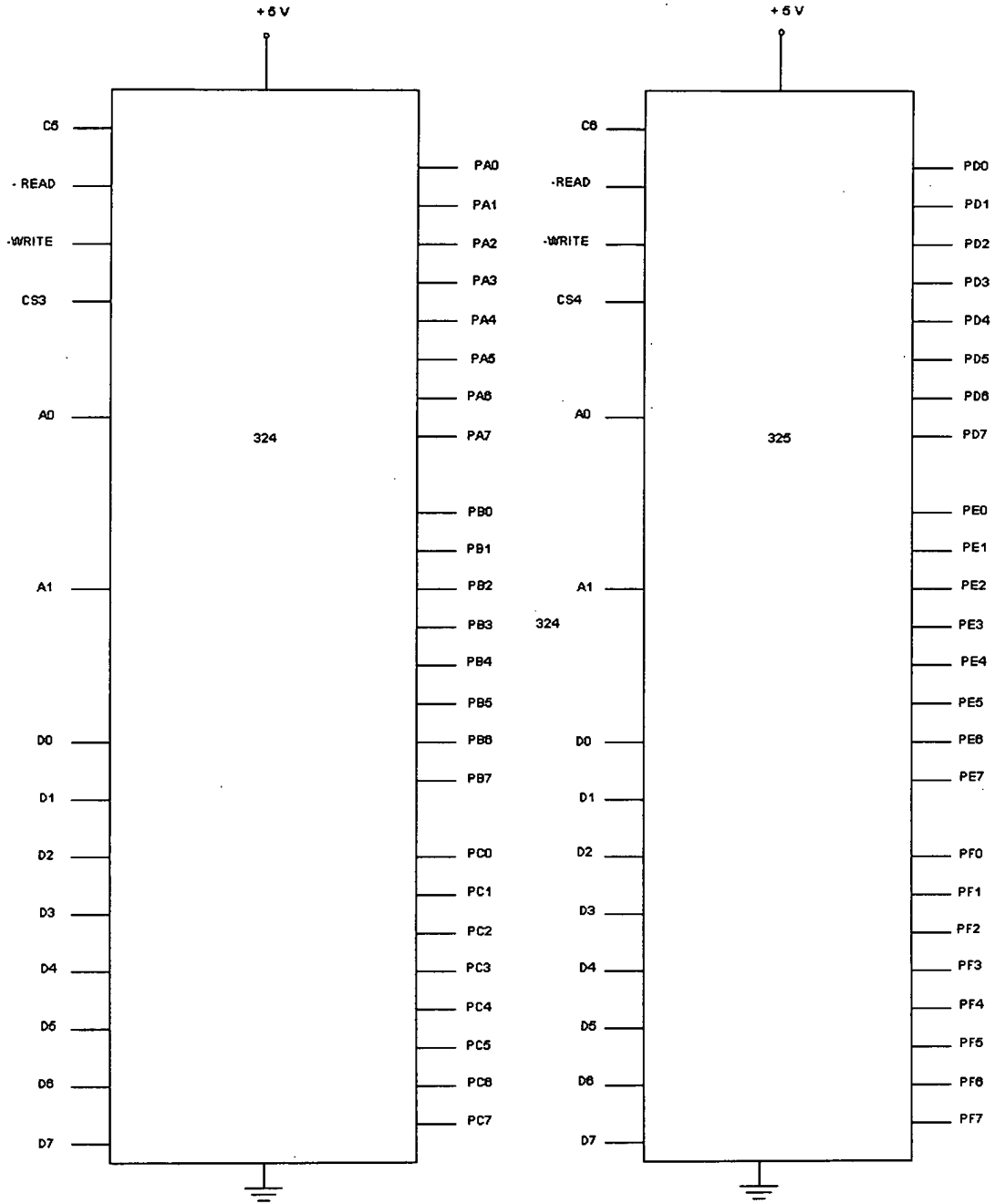


321 - 74HC374

322 - 74HC374

323 - ADC0848

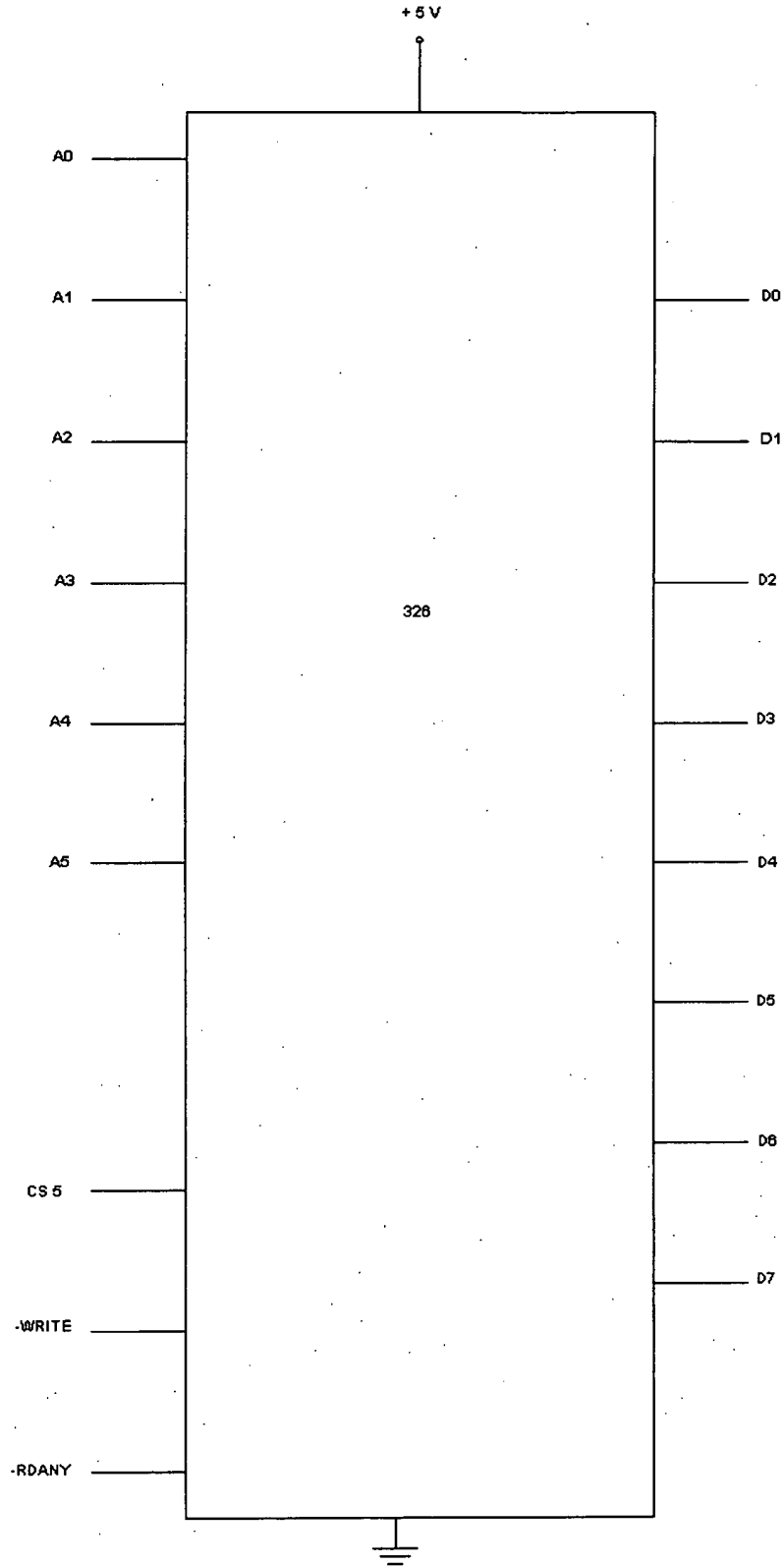
FIGURE 16C *FIG. 16*



324 - 82C55

325 - 82C55

Figure 17 *Fig. 17*



328 - DS1286

Figure 18 *Fig. 18*

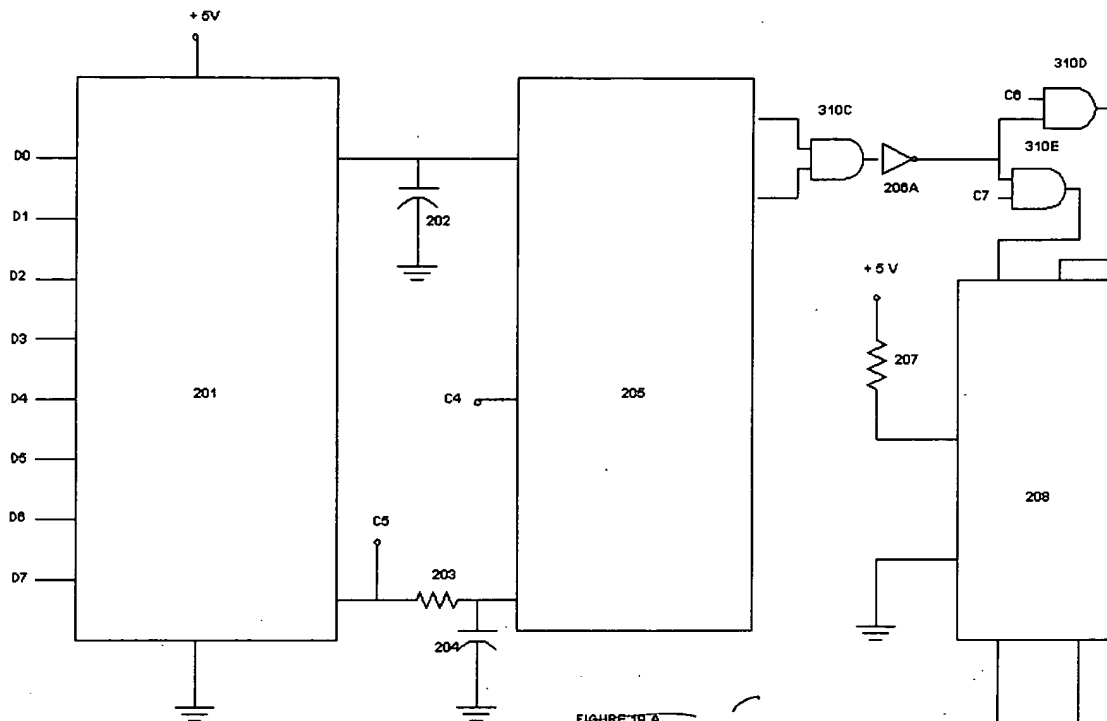


FIGURE 18A

Fig. 196

-

~~FIGURE 19-8~~

Fig. 1915

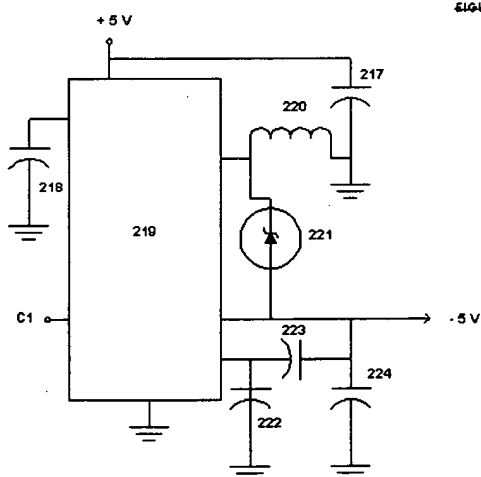
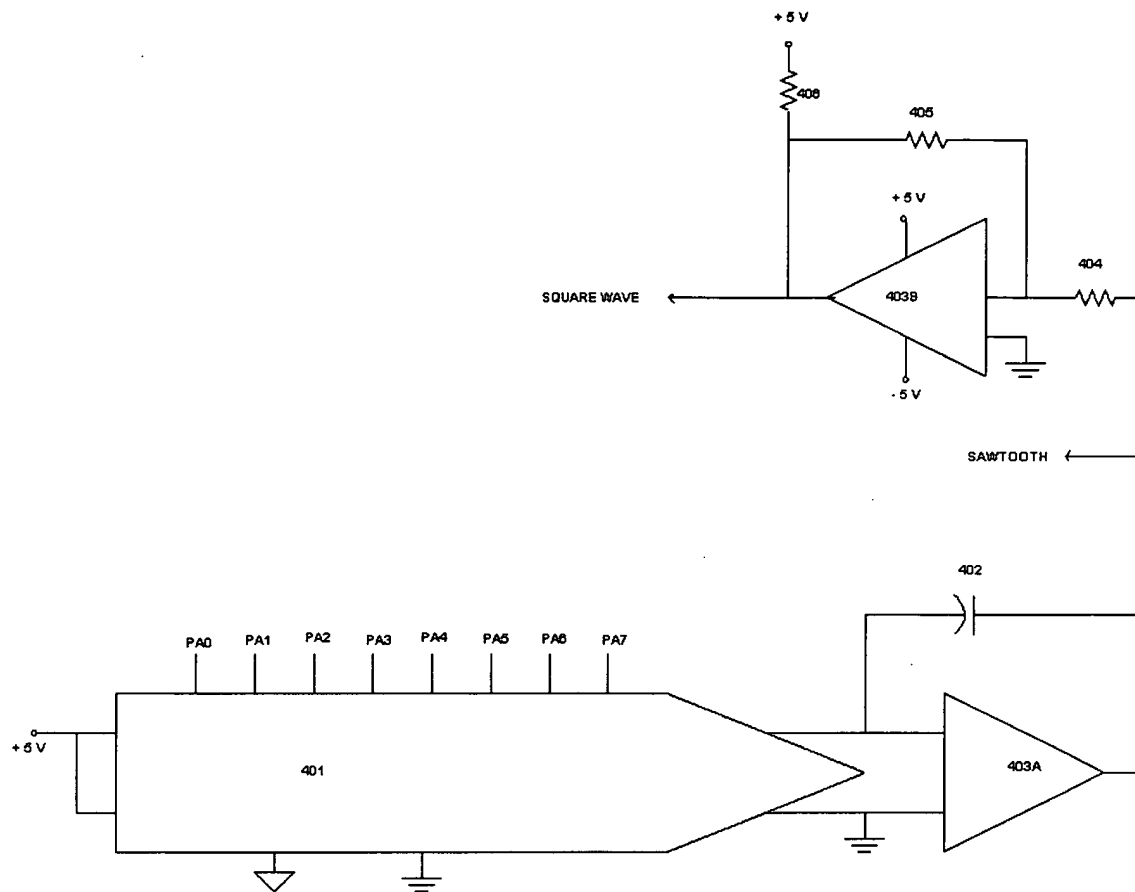


Figure 19.C

FIG 19c



401 - DAC0832

402 - 1.0 uF

403 - LM392

404 - 100K

405 - 300K

406 - 2K

Figure 20

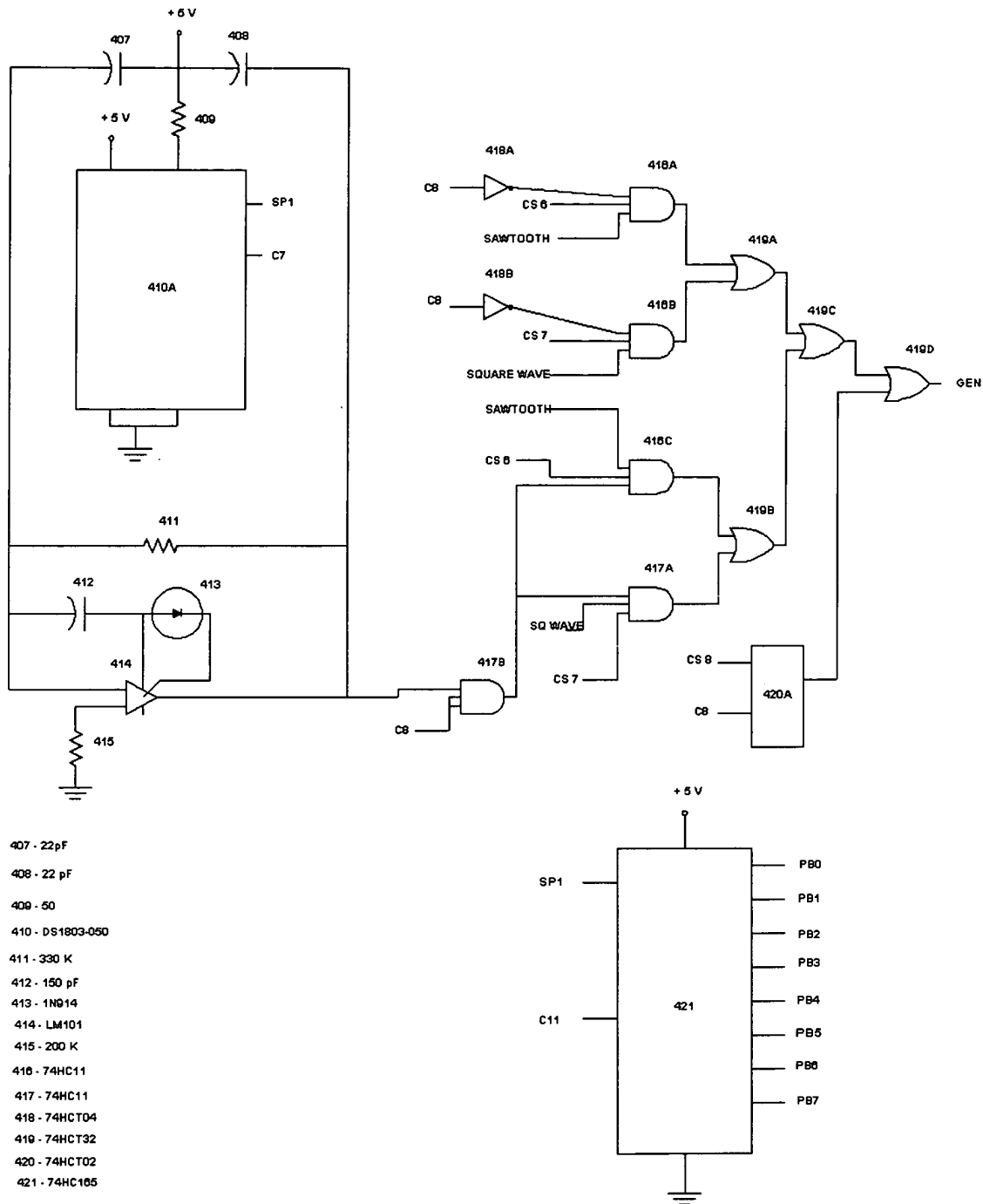


FIGURE 21- *FIG. 21*

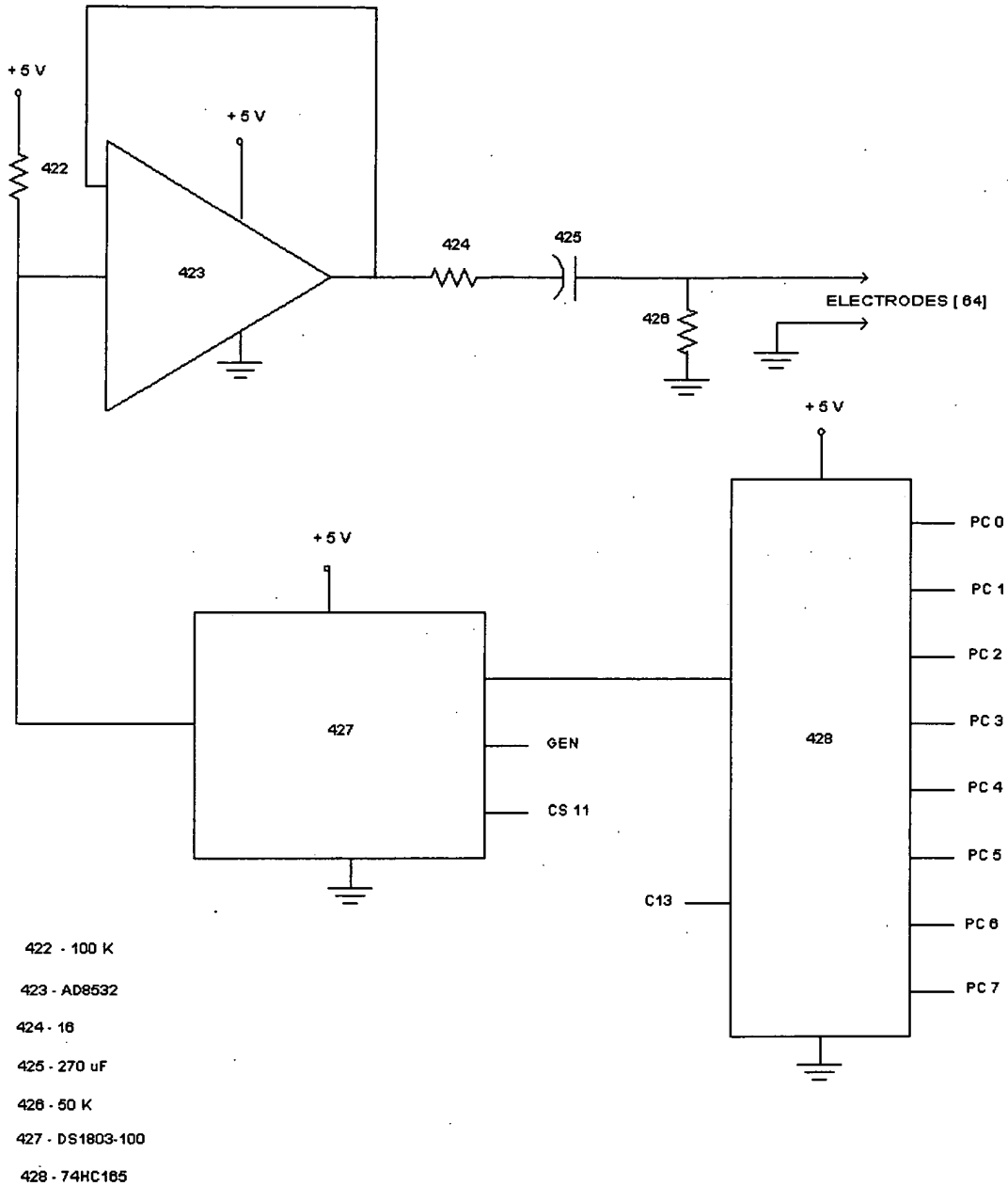
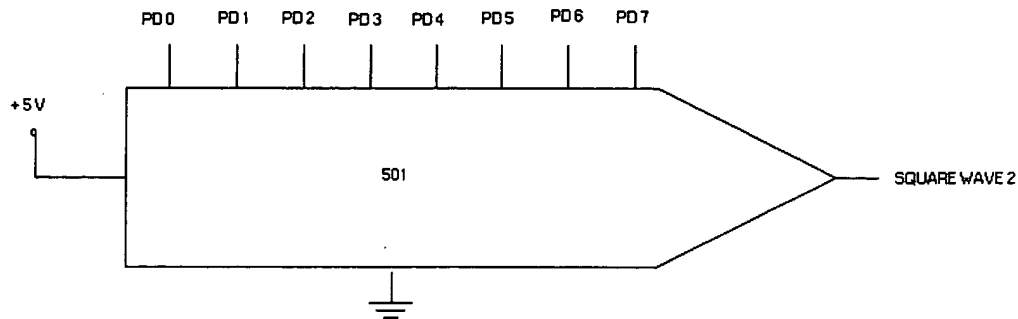


FIGURE 22

Fig. 22



501 - DAC0832

FIGURE 23

F. 6 23

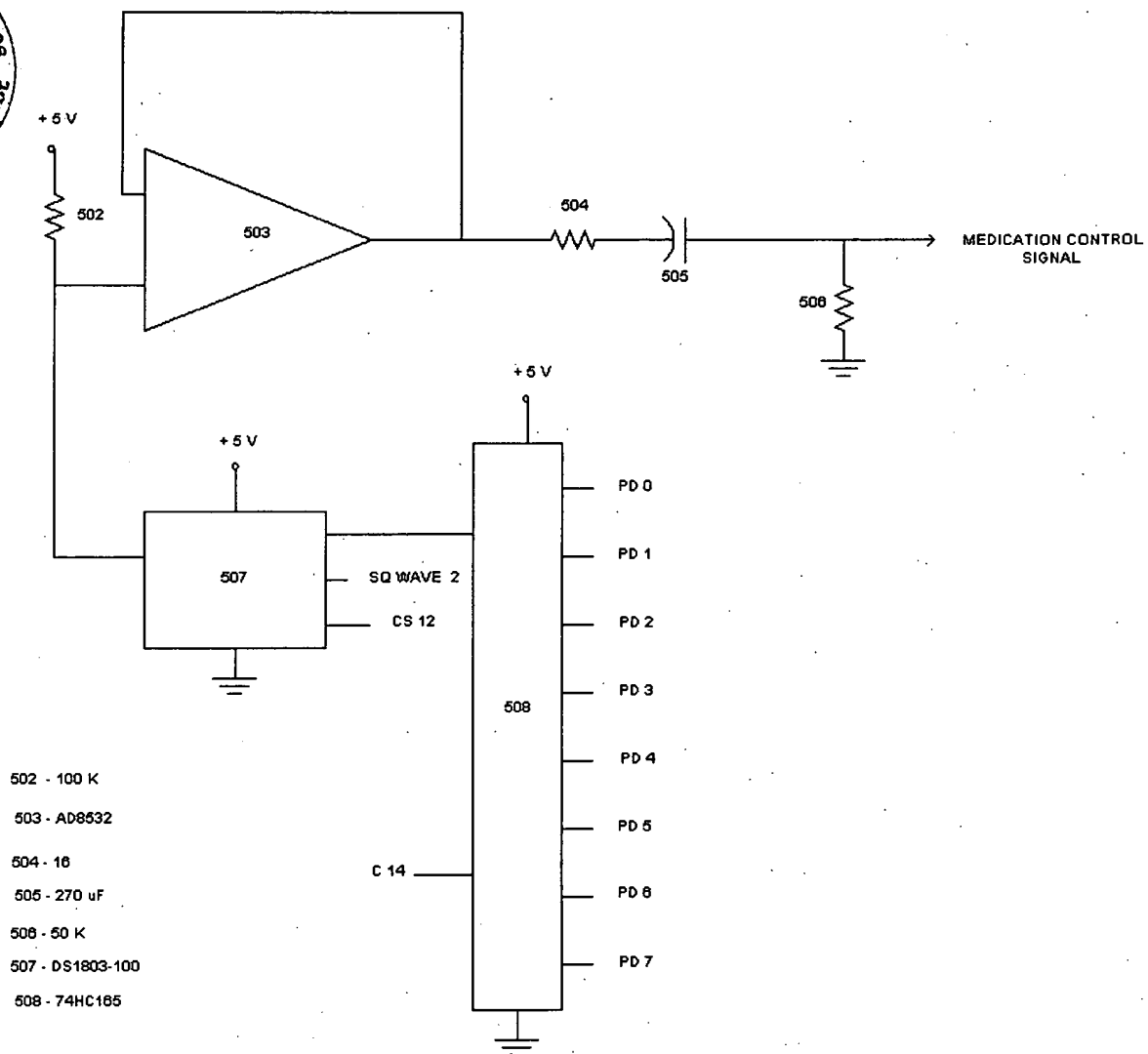
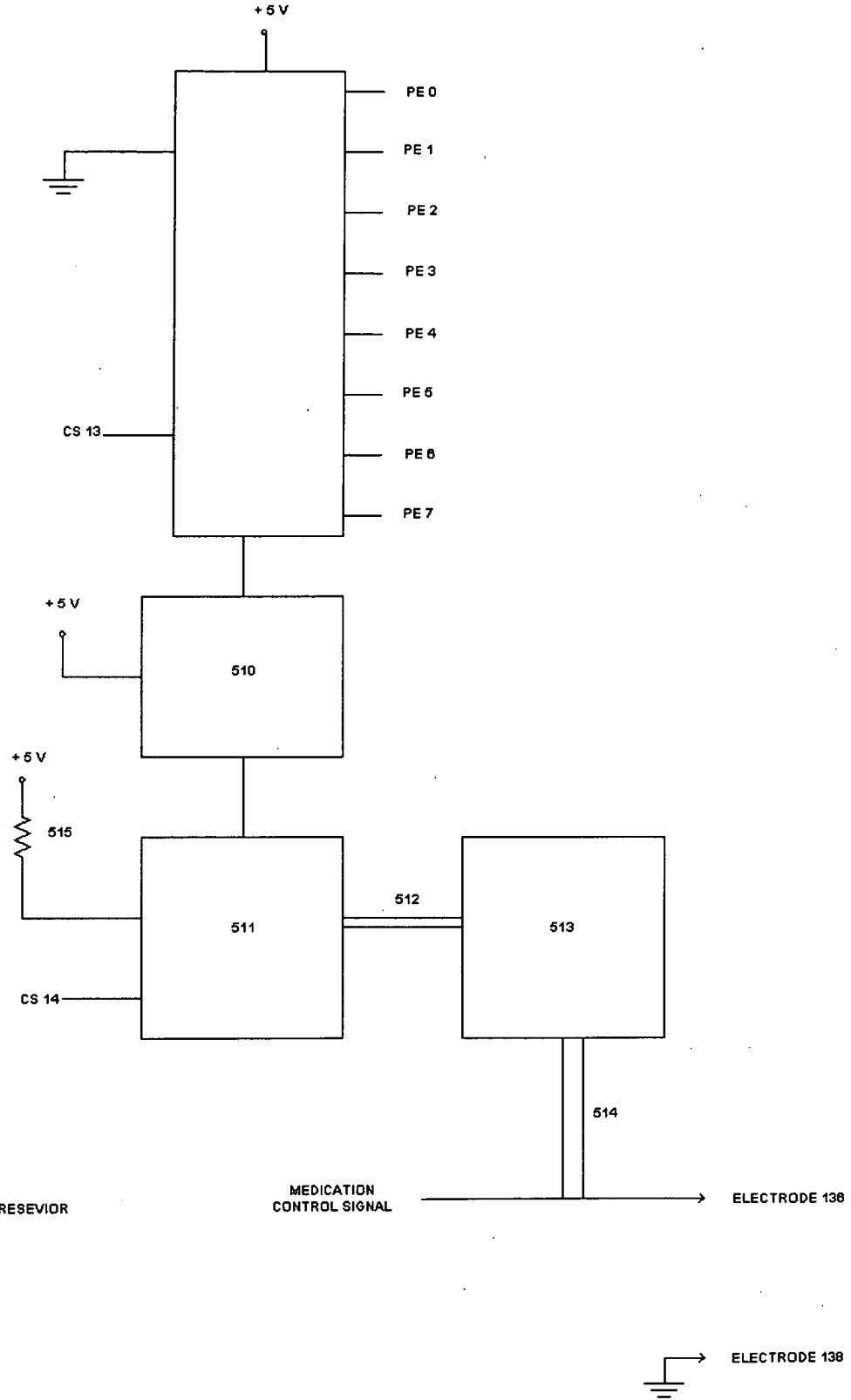


FIGURE 24

FIG 24



500 - 74HC165

510 - DS1803-100

511 - NB30005043

512 - SHAFT

513 - MEDICATION RESEVIOR

514 - TUBING

515 - 300 K

FIGURE 25

Fig. 25

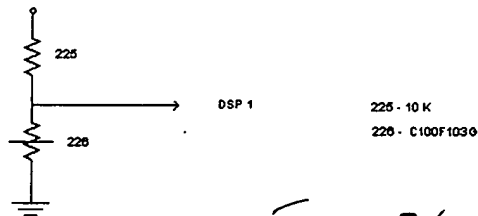


FIGURE 26 A *FIG. 26A*

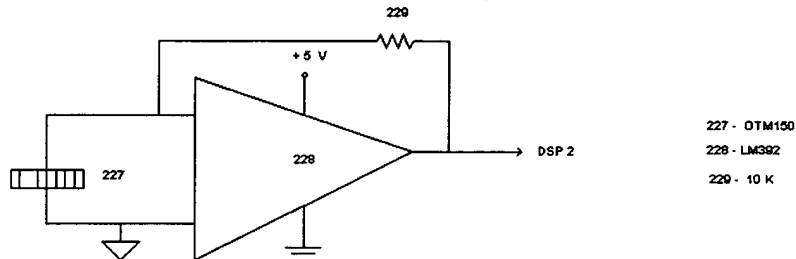


FIGURE 26 B *FIG. 26B*

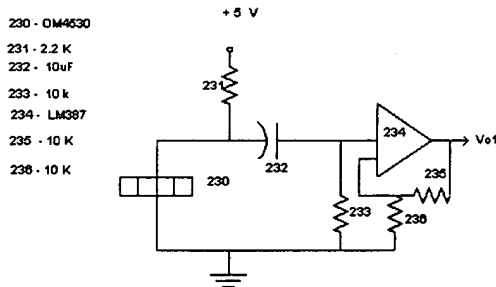


FIGURE 26 C *FIG. 26C*

237 - 10 K
238 - 100 K
239 - 10 K
240 - 100 K
241 - LMF100

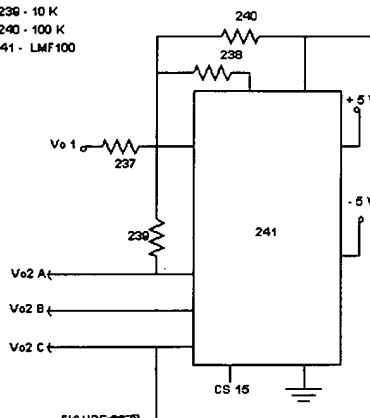


FIGURE 26 D *FIG. 26D*

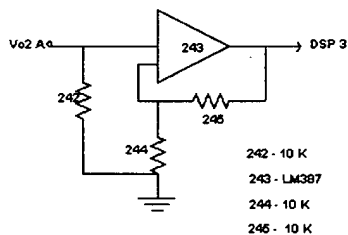


FIGURE 26 E *FIG. 26E*

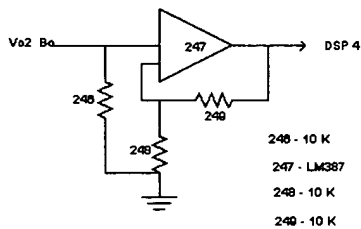


FIGURE 26 F *FIG. 26F*

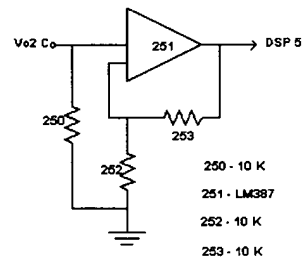


FIGURE 26 G *FIG. 26G*

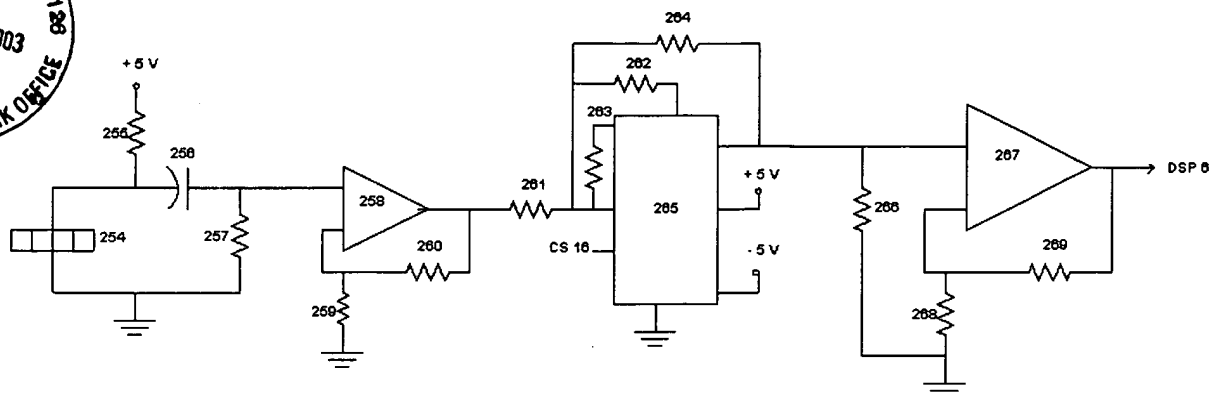


FIGURE 27A *FIG 27A*

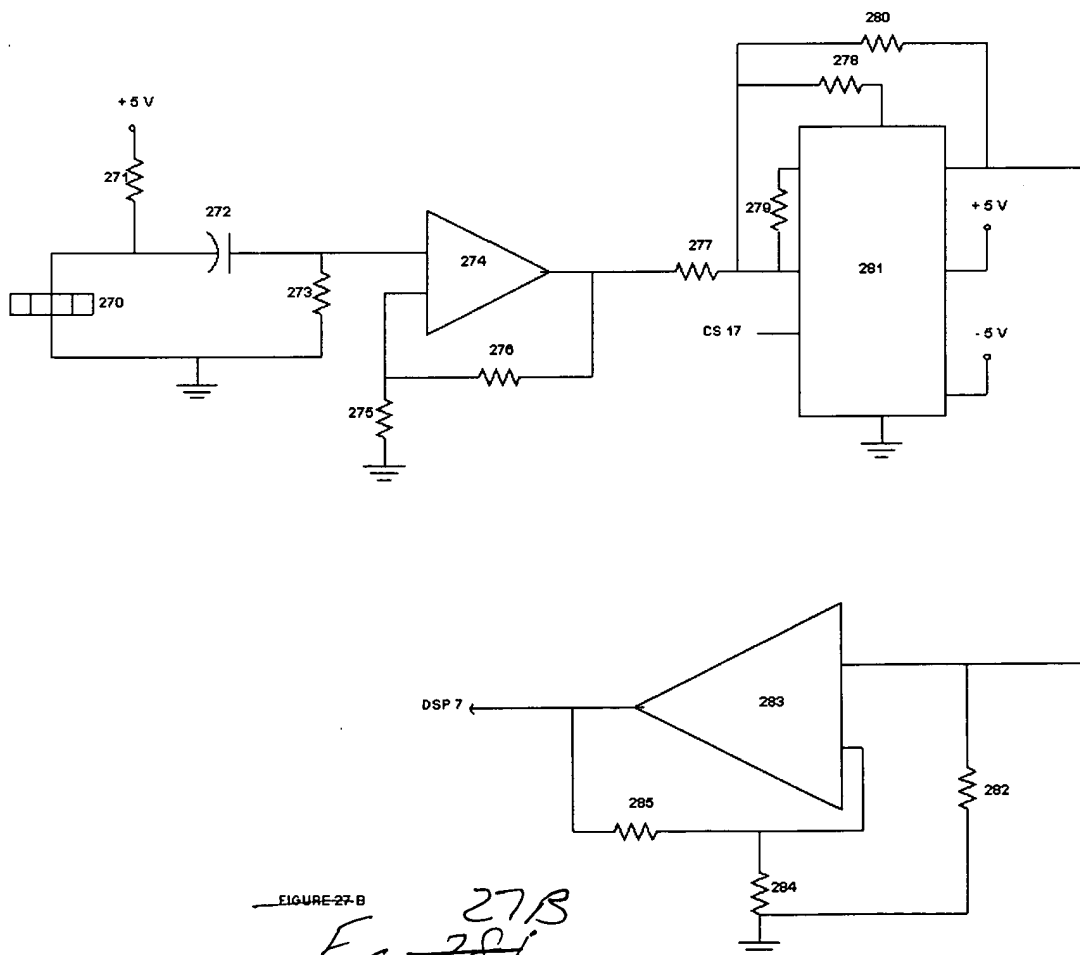


FIGURE 27-B *27B*
FIG. 28i